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 Title: **JP9237616A2: MANGANESE DRY BATTERY**

 Derwent Title: Manganese dry battery for portable electric appliances - has cyclic packing containing paper with predefined density as base material that is impregnated with water repellent matter [\[Derwent Record\]](#)

 Country: **JP Japan**

 Kind: **A**

 Inventor: **TAKAHASHI HIROYUKI;**
SUZUKI HIROKO;

 Assignee: **TOSHIBA BATTERY CO LTD**
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 Published / Filed: **1997-09-09 / 1996-02-27**

 Application Number: **JP1996000040155**

 IPC Code: **H01M 2/08; H01M 6/08;**

 Priority Number: **1996-02-27 JP1996000040155**

 Abstract: **PROBLEM TO BE SOLVED:** To provide a dry battery with a good yield further with high reliability by attaining improvement of a liquid leak resistance characteristic of a packing seal part.


SOLUTION: This dry battery is constituted by providing a sheathing can 11 and a negative electrode terminal plate 8 mounting liquid-tightly a peripheral edge part in a lower part flexed end internal wall surface of the sheathing can 11 through a heat shrinkage resin layer 10 and an annular packing 9. Here, the annular packing 9 is formed so as to be impregnated with at least 35wt.% a water repellent substance with a paper material of 0.4 to 0.6g/cm³ density serving as the base material further with the substance comprising a mixture of 1 to 3wt.% polyvinyl alcohol, 9 to 27wt.% polybutene and 70 to 90wt.% paraffin wax.

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 Family: **None**

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 Forward References: **Go to Result Set: Forward references (1)**

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6586912	2003-07-01	Tsukamoto; Hisashi	Quallion LLC	Method and apparatus for amplitude limiting battery temperature spikes

 Other Abstract Info: **CHEMABS 127(18)250659V CAN127(18)250659V DERABS C97-500347 DERC97-500347**



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(11) Publication number:

092376

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PATENT ABSTRACTS OF JAPAN(21) Application number: **08040155**(51) Intl. Cl.: **H01M 2/08 H01M 6/08**(22) Application date: **27.02.96**

(30) Priority:

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publication: **09.09.97**(84) Designated contracting
states:(71) Applicant: **TOSHIBA BATTERY CO LTD**(72) Inventor: **TAKAHASHI HIROYUKI**
SUZUKI HIROKO

(74) Representative:

**(54) MANGANESE DRY
BATTERY**

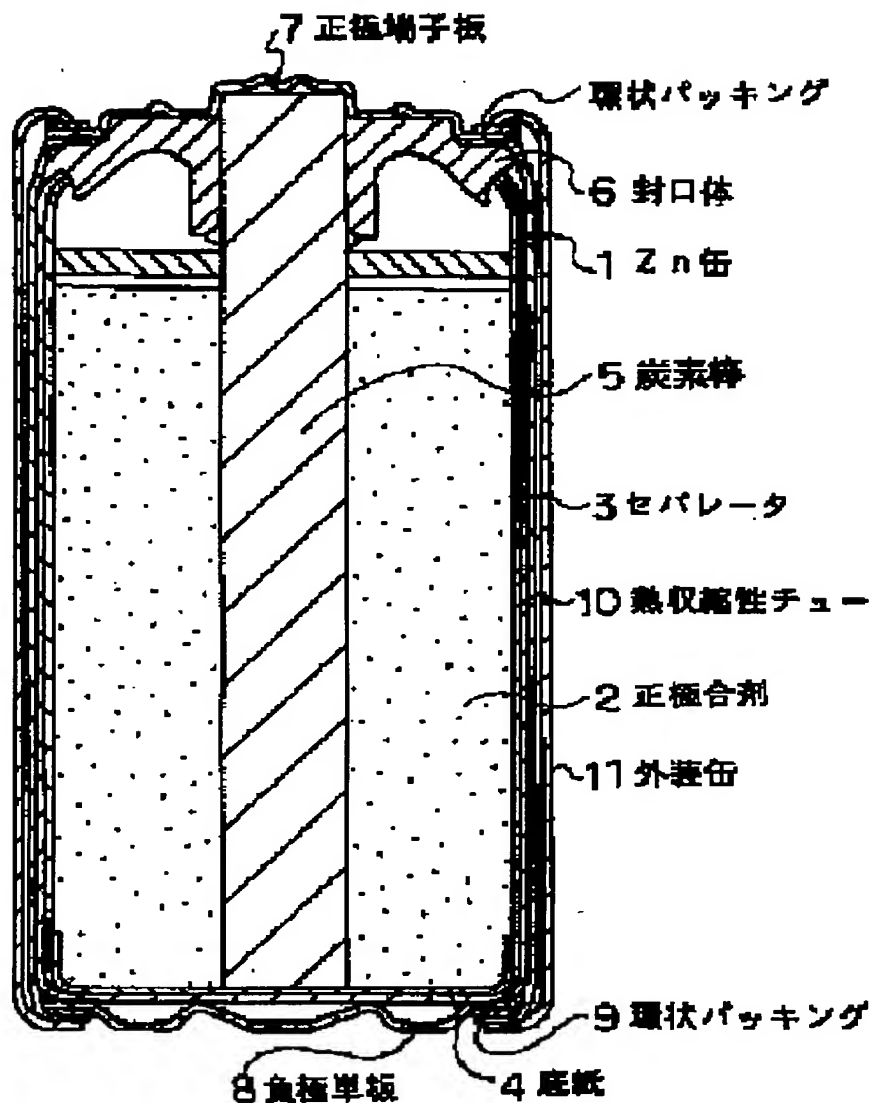
(57) Abstract:

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wax.

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